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## SEQUENCE LISTING

<110> Sanders, Mitchell C.  
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Ellis-Busby, Diane L.  
Havard, Jennifer M.

<120> Colorimetric Substrates, Colorimetric  
Sensors, and Methods of Use

<130> 3265.1011-004

<150> PCT/US2004/036469

<151> 2004-11-03

<150> 60/516,688

<151> 2003-11-03

<150> 60/578,502

<151> 2004-06-09

<160> 41

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Phe	Lys	Arg	Ile	Val	Xaa	Arg	Ile	Lys	Asp	Phe	Leu	Arg	Asn	Leu	Val
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Pro	Arg	Thr	Glu	Ser											
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<400> 2

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Lys Ala Ala His Lys Ser Ala Leu Lys Ser Ala Glu  
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Ala Cys Cys Asp Glu Tyr Leu Gln Thr Lys Glu  
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Ala Asp Thr Val Glu Pro Thr Gly Ala Lys Glu  
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<400> 9  
Lys Leu Pro His Lys Leu Ser Trp Ser Ala Asp Asn Pro  
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&lt;220&gt;

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&lt;400&gt; 11

Asn Met Leu Ser Glu Val Glu Arg Glu  
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&lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 12

Lys Gln Asn Met Leu Ser Glu Val Glu Arg Ala Asp Thr Glu  
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&lt;210&gt; 13

&lt;211&gt; 12

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&lt;400&gt; 13

Asn Glu Ala Ile Gln Glu Asp Gln Val Gln Tyr Glu  
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&lt;210&gt; 14

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 14

Glu Thr Lys Val Glu Glu Asn Glu Ala Ile Gln Lys  
1 5 10

&lt;210&gt; 15

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Peptide Sequence

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Asp Ser Arg Pro Val Arg Arg Arg Arg Arg Pro Arg Val Ser Lys

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1                      5                      10                      15

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Lys

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Glu Gly Ala Met Phe Leu Glu Ala Ile Pro Met Ser Ile Pro Lys  
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<210> 23  
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1 5 10 15  
Ala His His His His His  
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<210> 24  
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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 24

Lys Ala Arg Arg Arg Arg Arg Gly Gly Gly Ala Met Phe Leu Glu Ala  
1 5 10 15  
Ile Pro Met Ser Ile Pro Cys Gly Cys  
20 25

&lt;210&gt; 25

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 25

Val Ser Arg Arg Arg Arg Arg Gly Gly Asp Gly Asp Gly Cys  
1 5 10

&lt;210&gt; 26

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 26

Gly Gly Asp Gly Asp Gly Cys  
1 5

&lt;210&gt; 27

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 27

Val Ser Arg Arg Arg Arg Arg Gly Gly Asp Gly Lys Gly Asp Ala Cys  
1 5 10 15

&lt;210&gt; 28

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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## &lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 28

Asn Glu Ala Ile Gln Glu Asp Gln Val Gln Ala Arg Arg Ala Lys Ala  
1 5 10 15  
Arg Arg Ala Cys  
20

&lt;210&gt; 29

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

## &lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 29

Gln Val Gln Ala Arg Arg Ala Lys Ala Arg Arg Ala Cys  
1 5 10

&lt;210&gt; 30

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

## &lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 30

Gly Gly Asp Gly Lys Gly Asp Ala Cys  
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&lt;210&gt; 31

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

## &lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 31

Gln Val Gln Ala Arg Arg Arg Ala Lys Ala Arg Arg Arg Ala Cys  
1 5 10 15

&lt;210&gt; 32

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

## &lt;223&gt; Synthetic Peptide Sequence

&lt;400&gt; 32



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Val Ser Arg Arg Arg Arg Arg Gly Gly Lys Gly Cys  
 1 5 10

<210> 33  
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<210> 35  
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Leu Val Cys Gly Cys  
20

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<400> 39  
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1 5 10 15  
Gly Cys

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Gly Cys

<210> 41  
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